

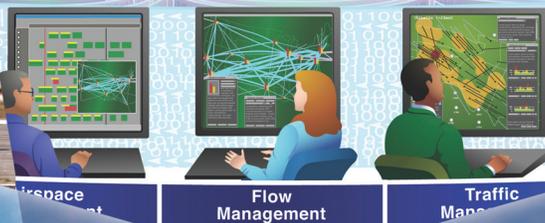
System Wide Information Management



Federal Aviation Administration



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System Wide Information Management (SWIM)

The transformation to the Next Generation Air Transportation System (NextGen) requires programs and technologies that provide more efficient operations, including streamlined data communications capabilities. SWIM is an integral part of that transformation. It will provide the platform to manage effective and timely information-sharing among all users and systems of the National Airspace System (NAS). It is a network-centric system, capable of flexible growth, with the ability to communicate large amounts of complex information. In a fast, efficient, robust and safe manner, it will connect the myriad of stand-alone networks of the NAS that today operate with single point-to-point connections.

It is important to understand that NextGen is a portfolio program. SWIM is part of that portfolio and critical to making sure all the various pieces are communicating with each other. For example, SWIM will allow pilots, air traffic managers, Federal Air Marshals, the military, and air traffic controllers to share information instantly. SWIM is essential to providing the most efficient use of airspace, managing around weather and assuring the safety of the system on the ground and in the air.

SWIM will contribute to the expanded system capacity, improved predictability and reduced cost of service necessary for a successful transformation to NextGen. In addition, SWIM will improve coordination to allow transition from tactical conflict management to strategic trajectory-based operations and better use of existing capacity in the en route airspace.

